

FIG. 1

10

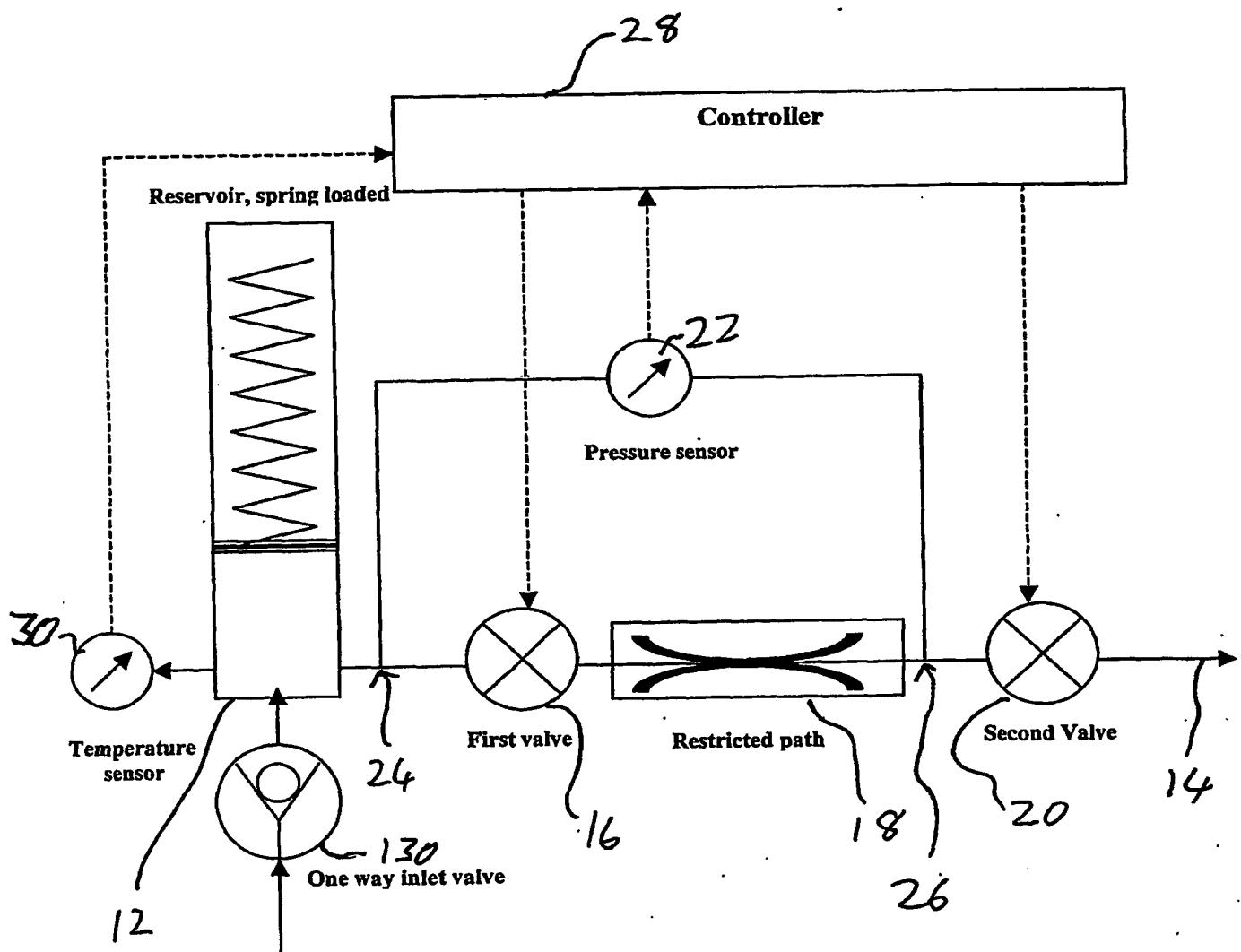
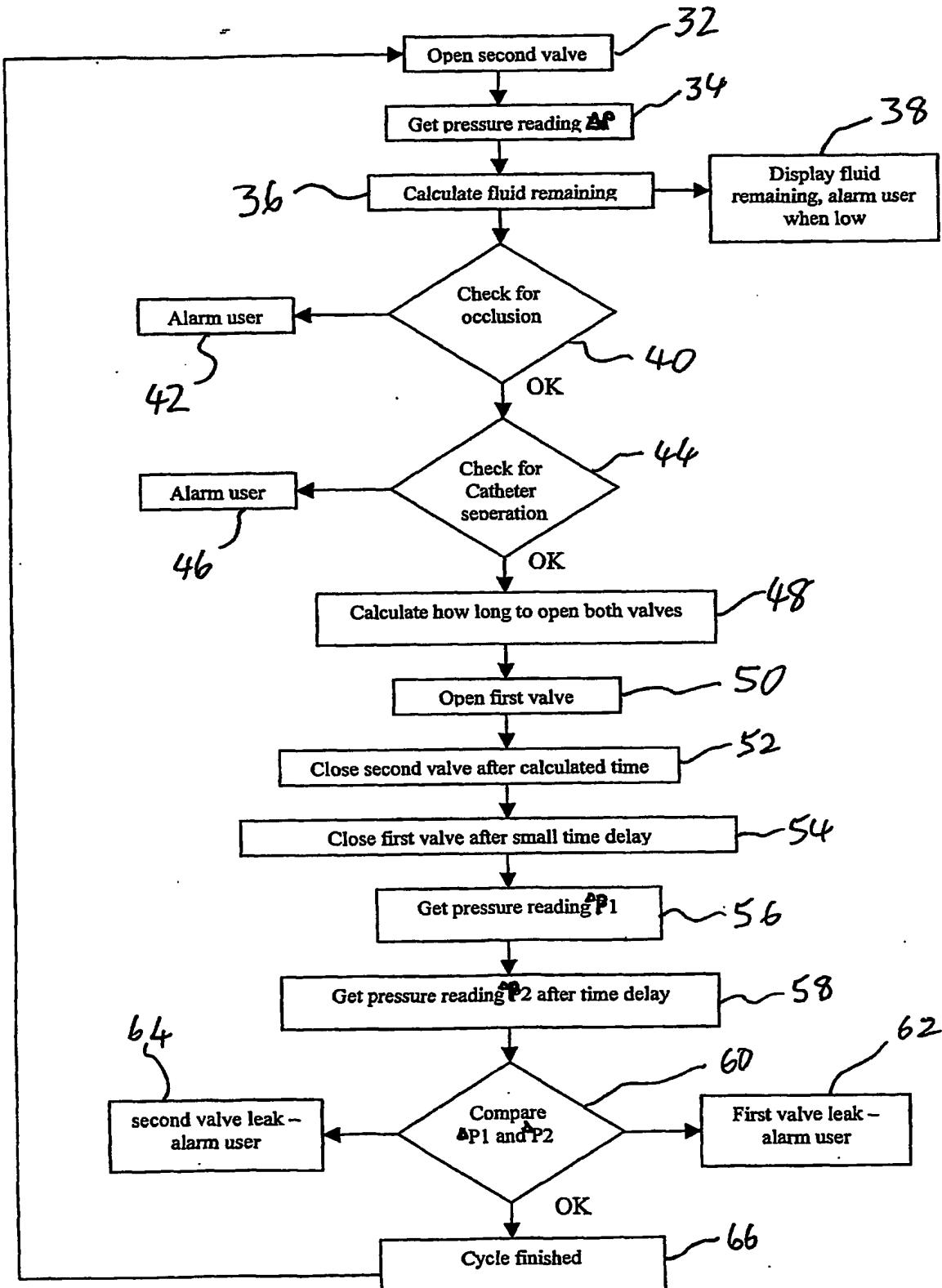


FIG. 2



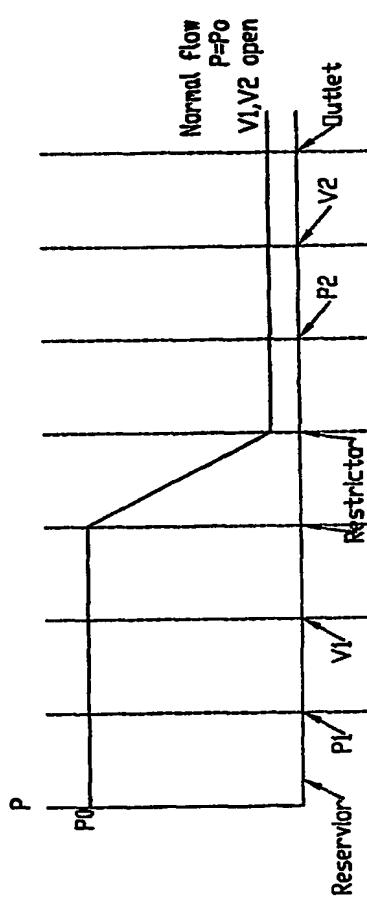


Fig. 3A

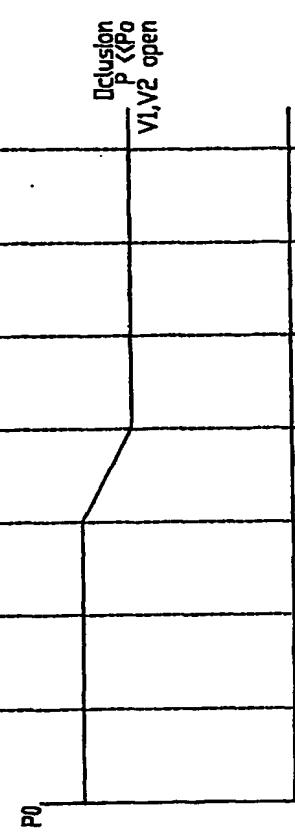


Fig. 3B

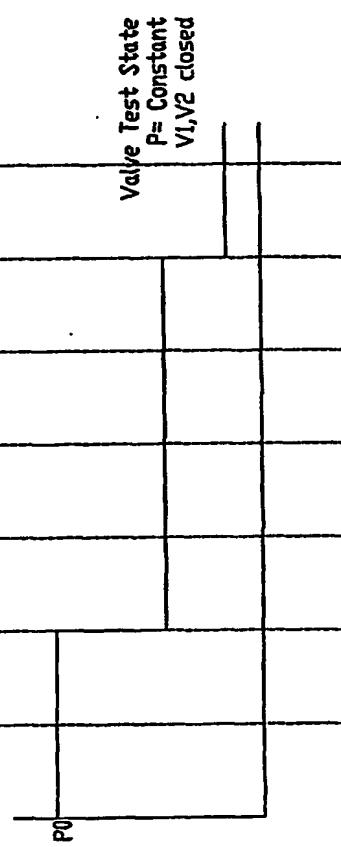


Fig. 3C

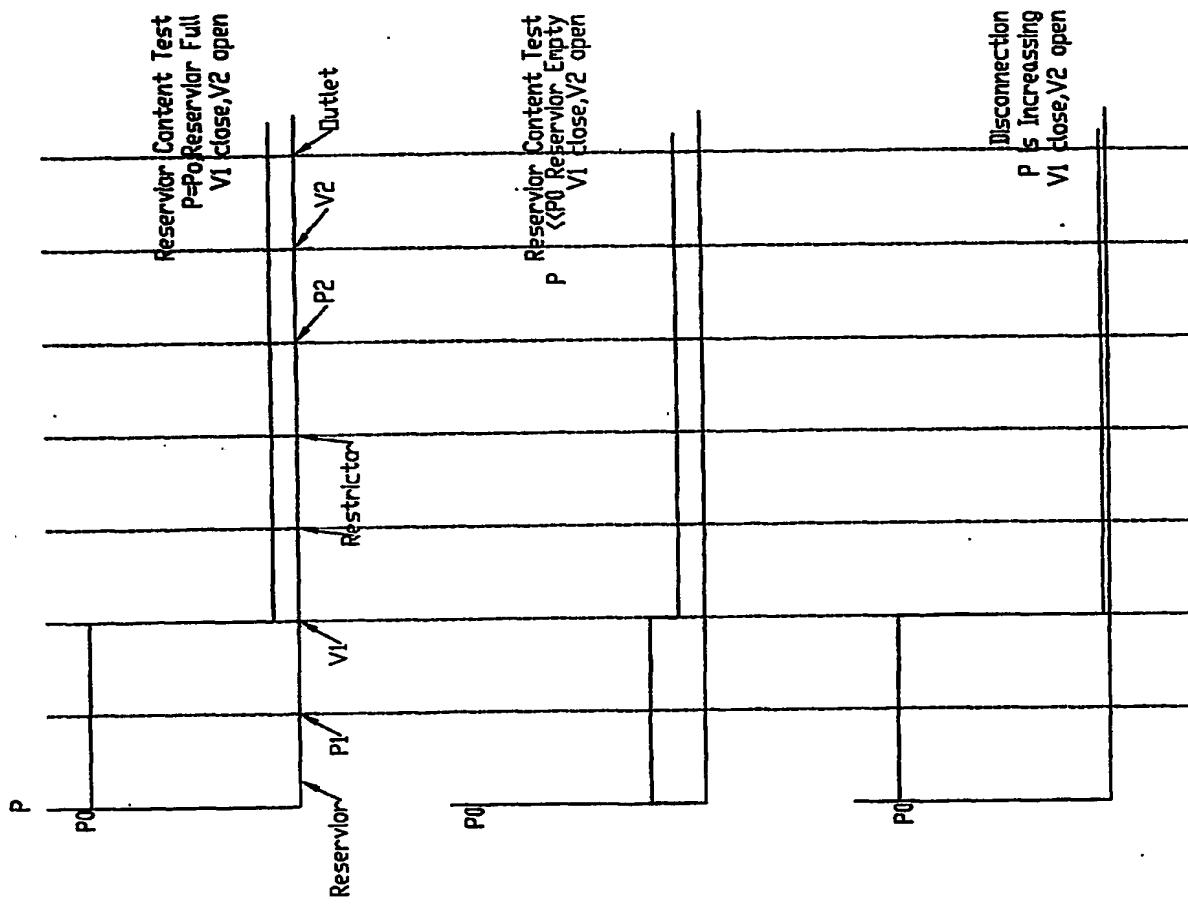


FIG. 3D

FIG. 3E

FIG. 3F

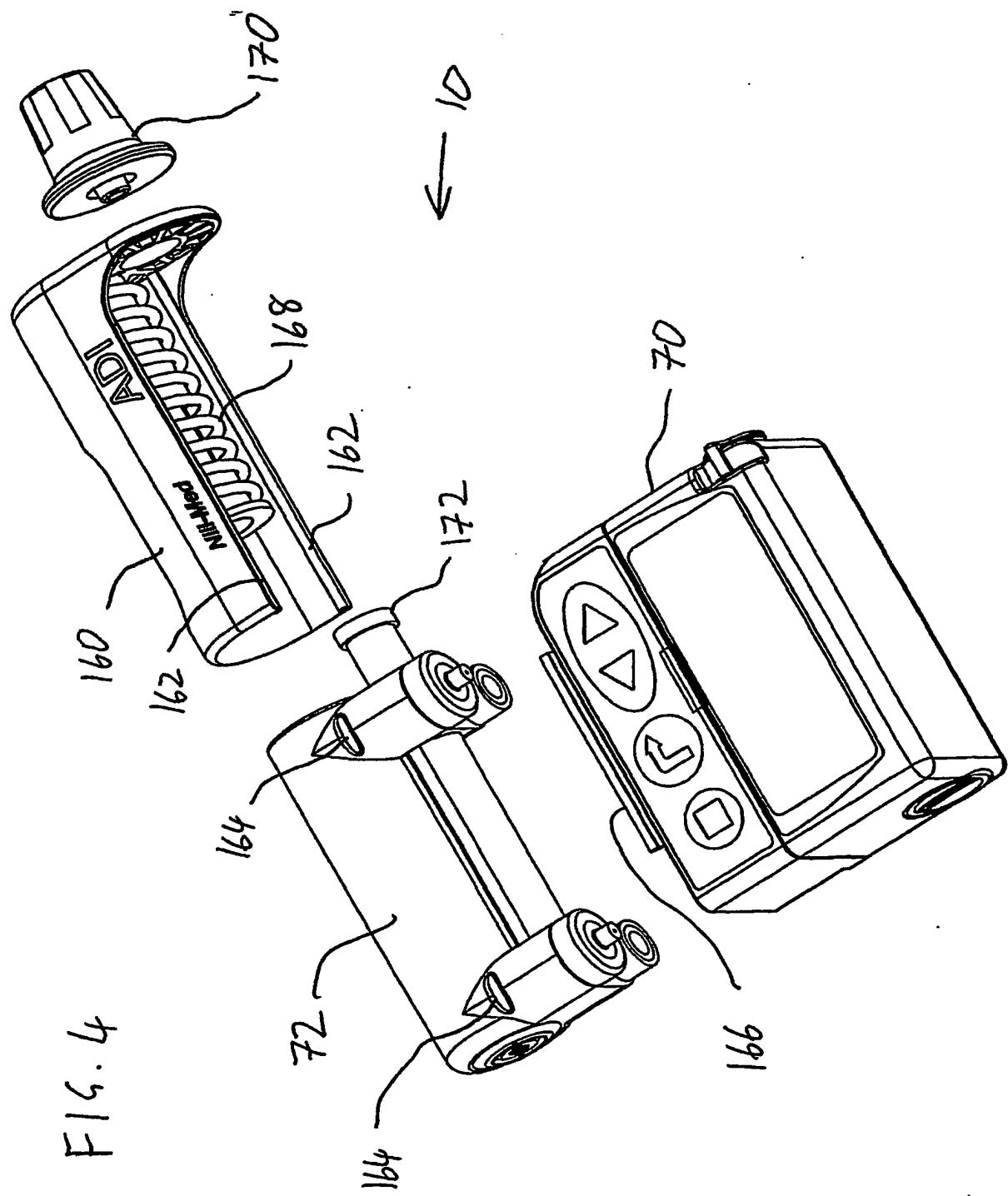


FIG. 5

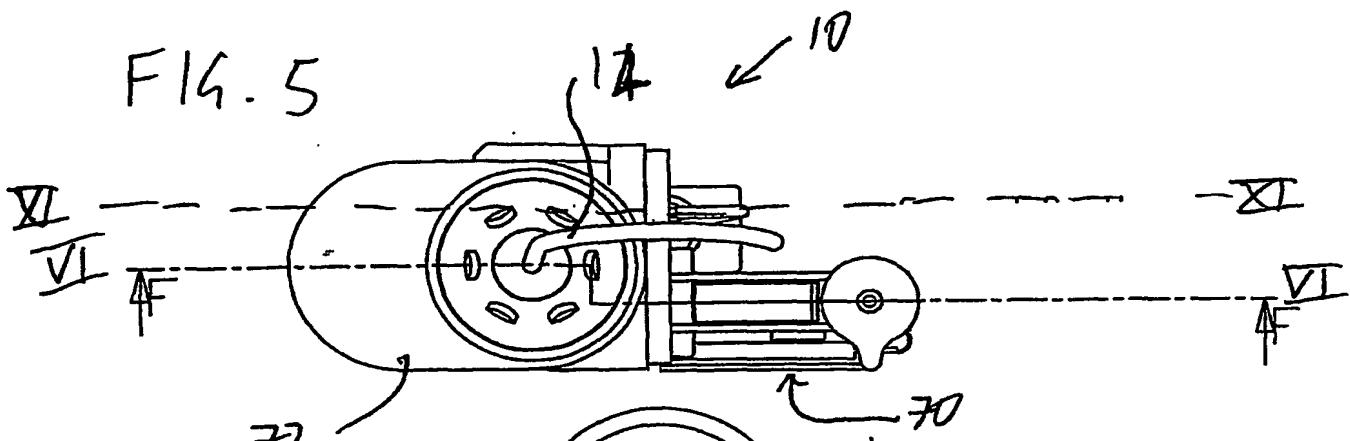


FIG. 6

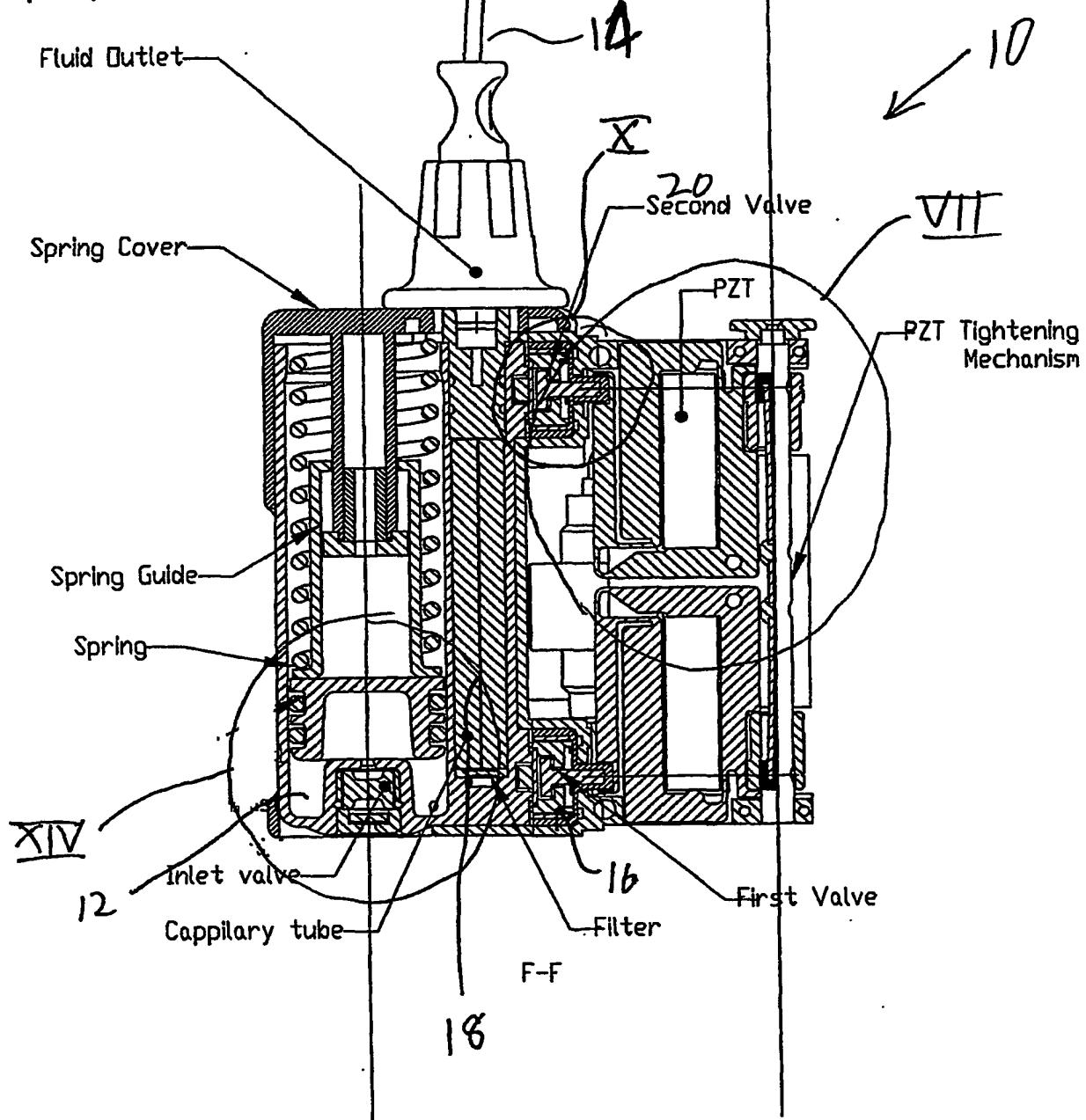
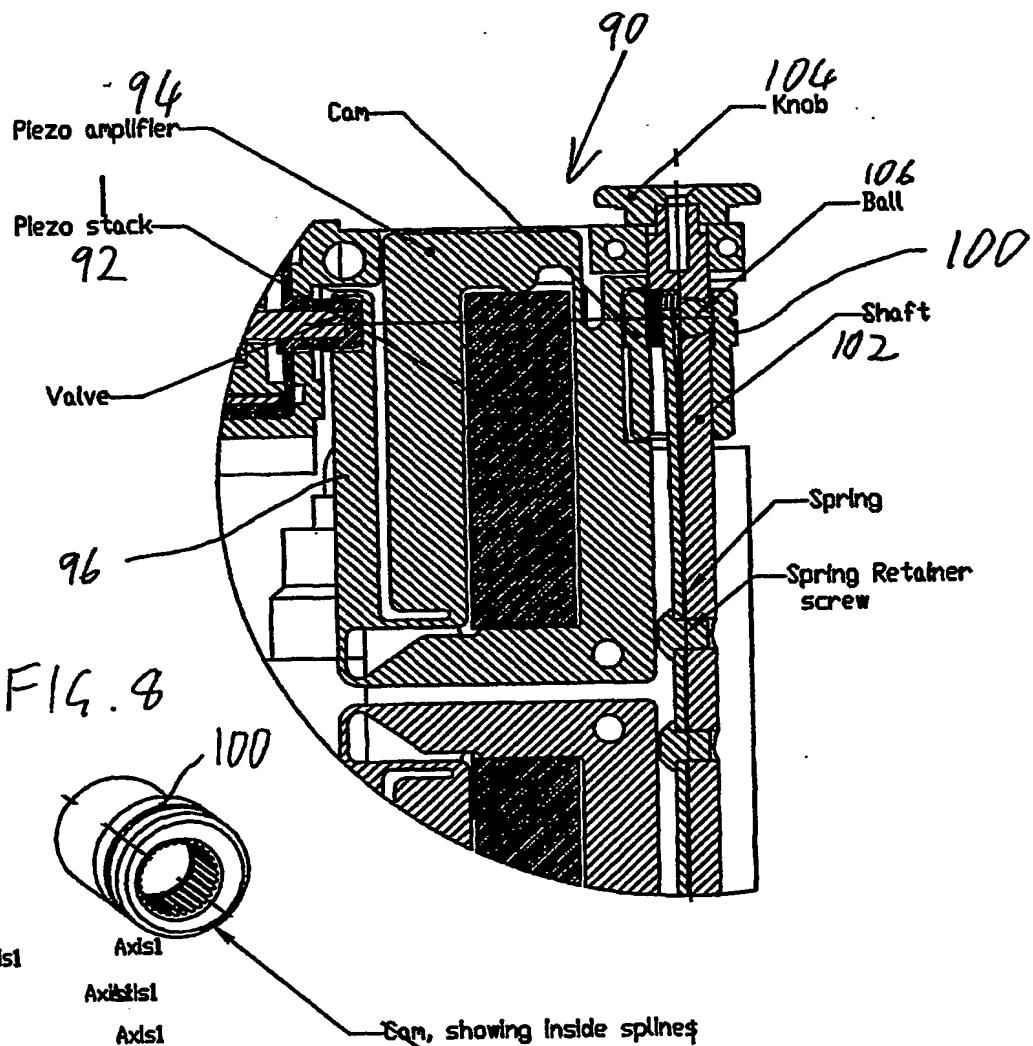


FIG. 7

Section Through Piezo and tightening mechanism



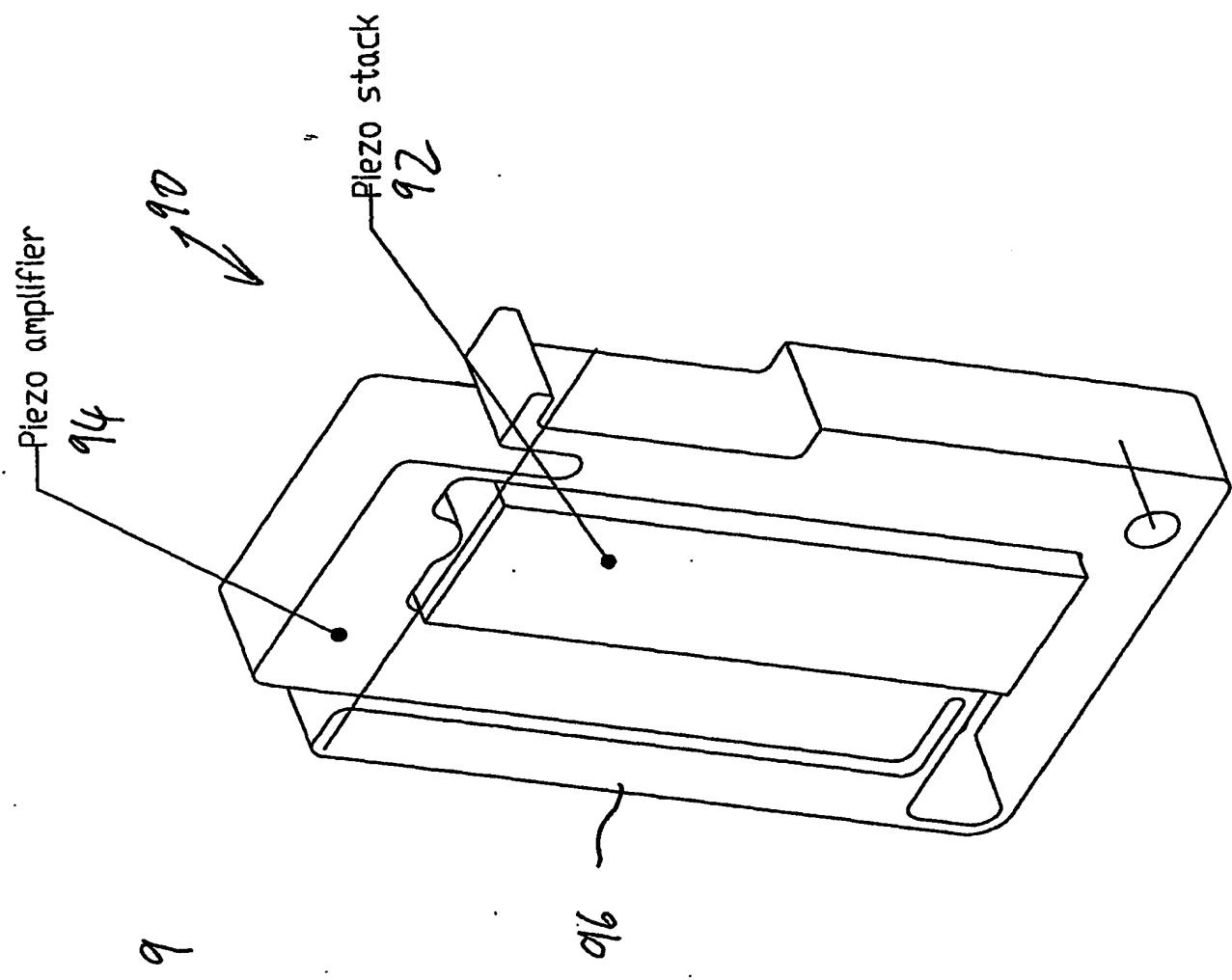
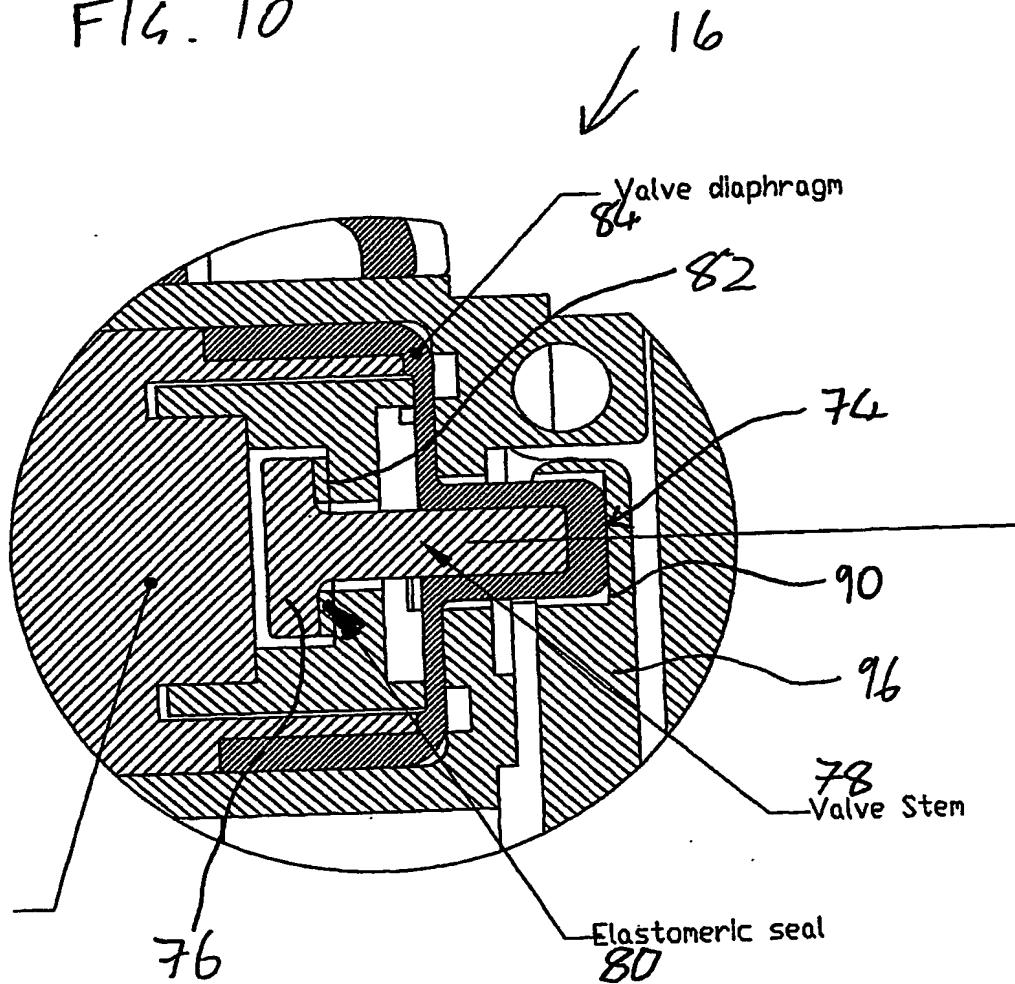


FIG. 9

FIG. 10



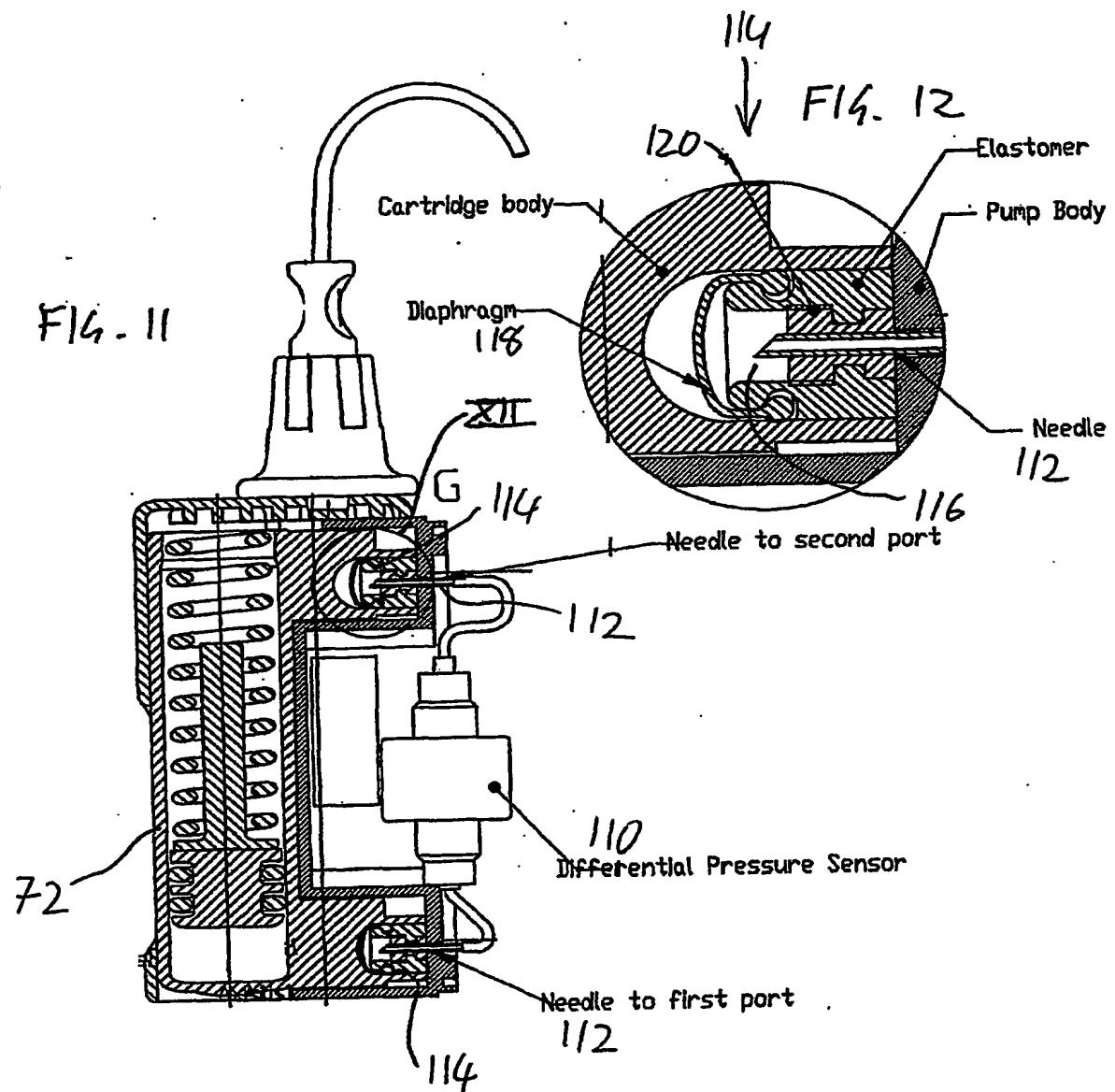


FIG. 13

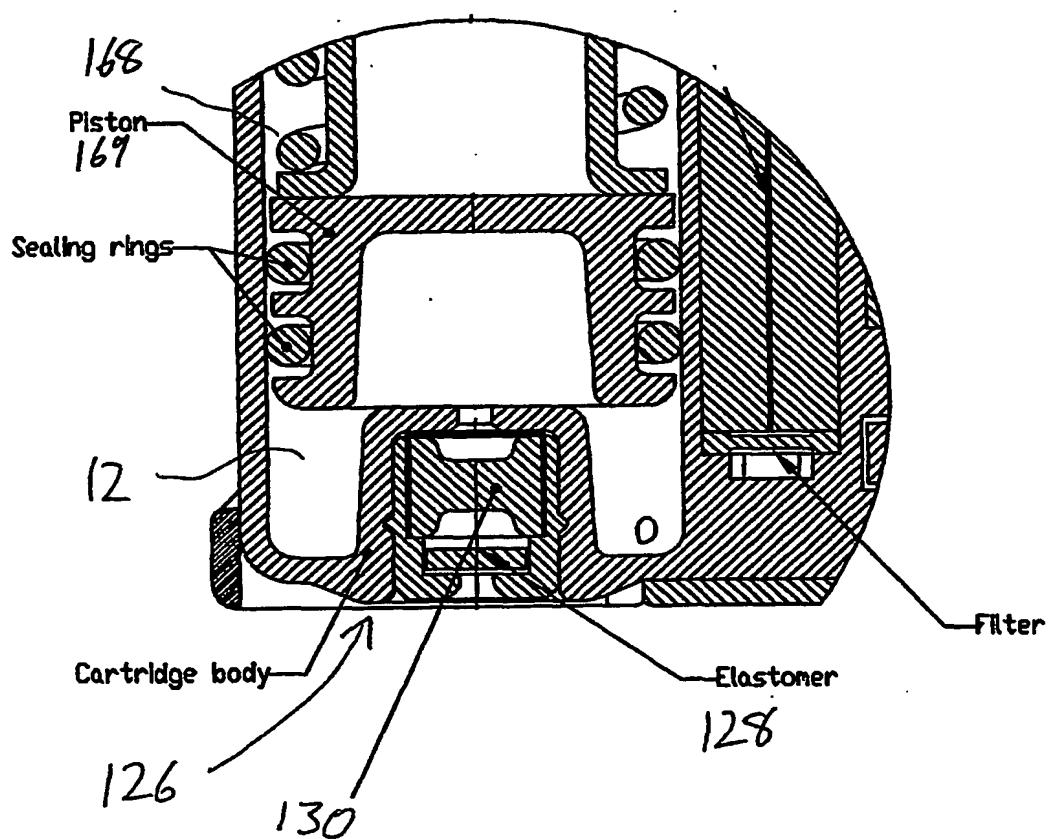


FIG. 14C

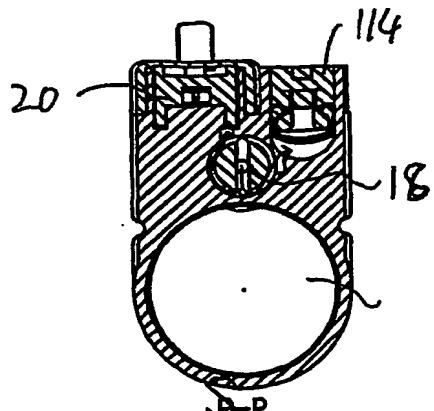


FIG. 14A

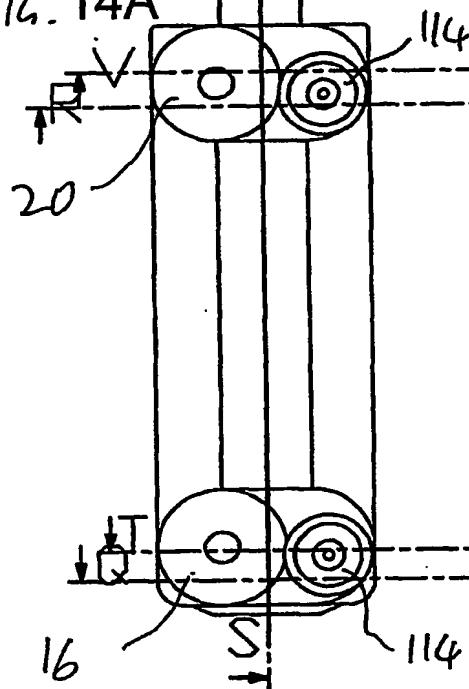
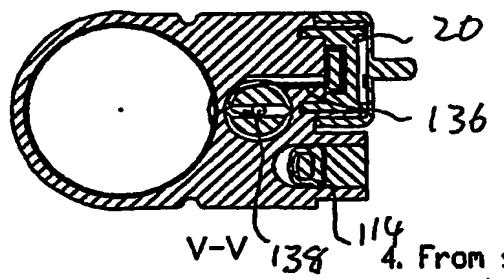


FIG. 14D

3. After capillary passage fluid goes port and to second valve inlet



4. From second va to cartridge exit

FIG. 14B

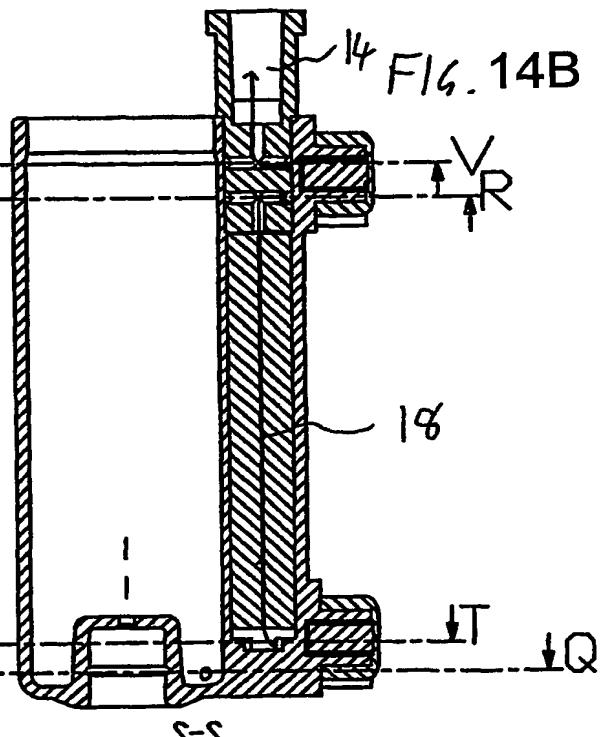


FIG. 14E

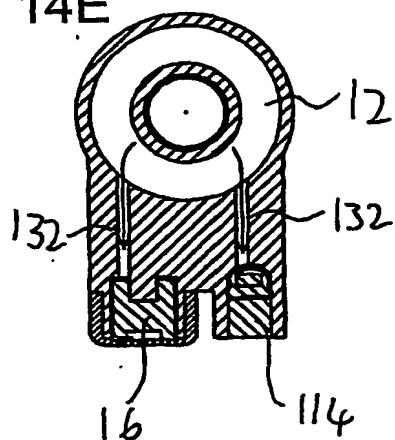
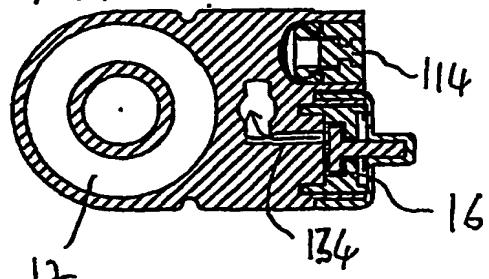


FIG. 14F



2. From fir outlet to passage

1. High pressure from within cartridge goes to first valve inlet and to first por

FIG 15

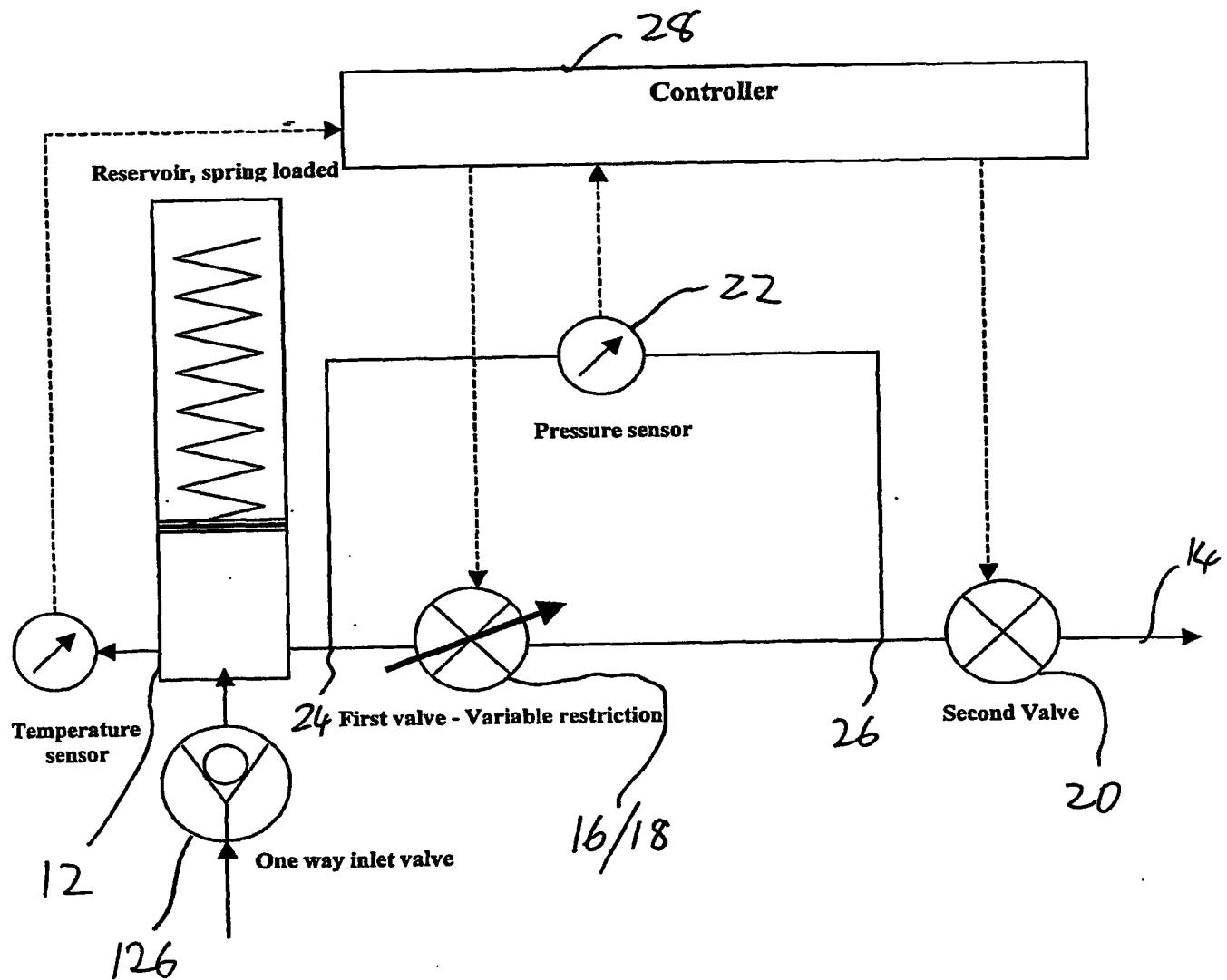


FIG. 16

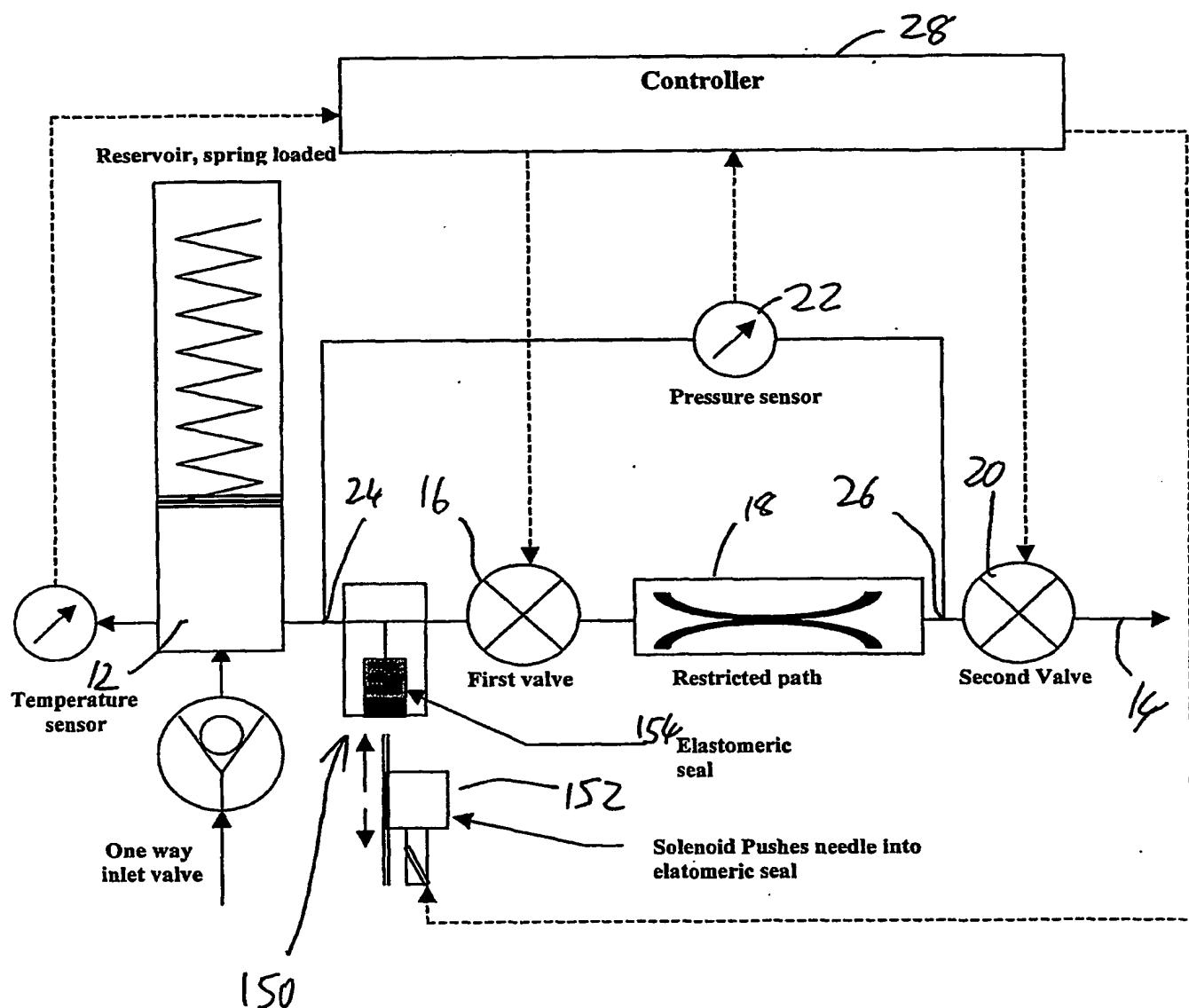


FIG. 17

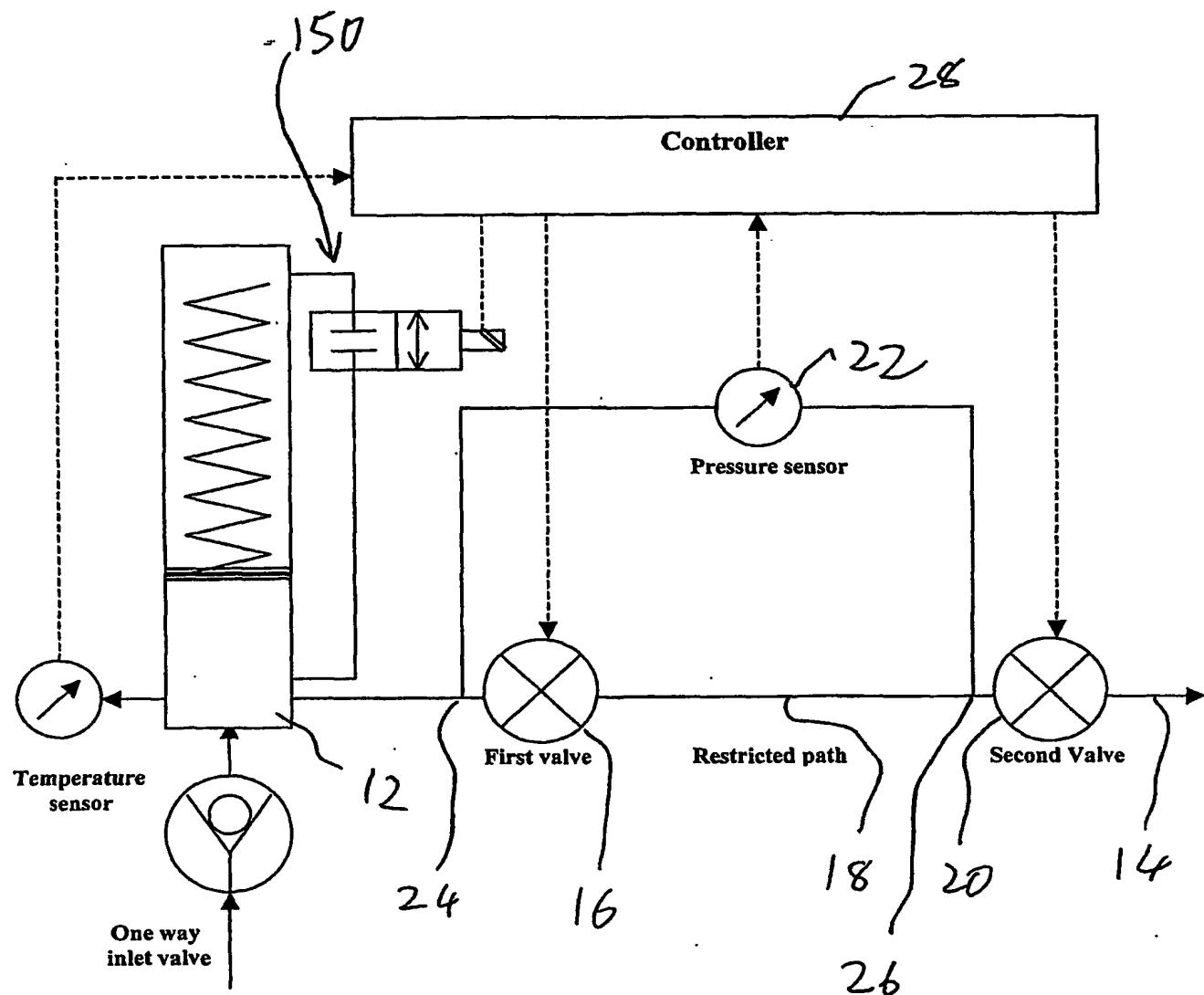


FIG. 18

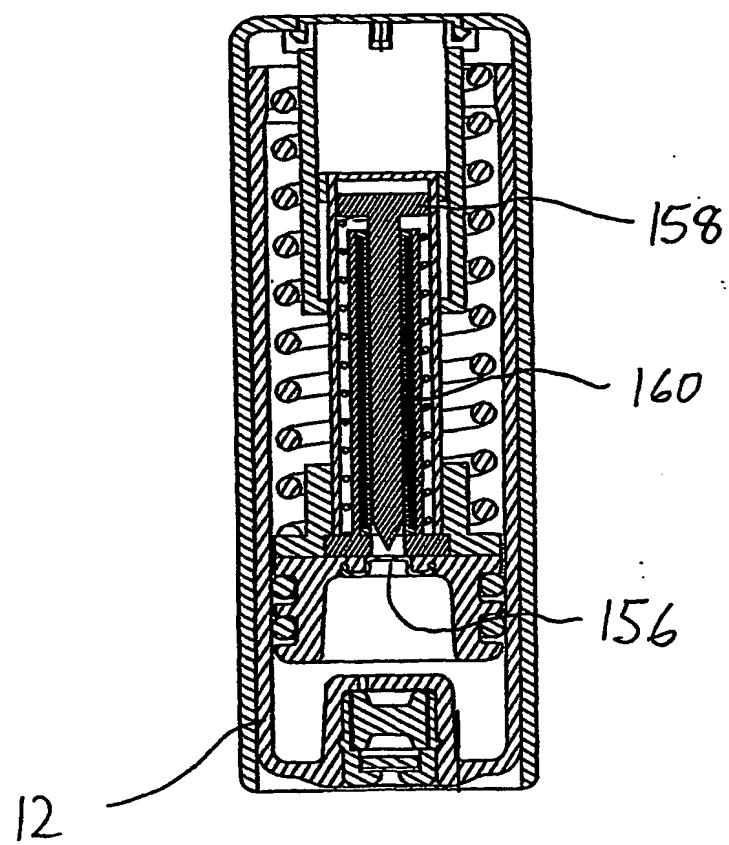


FIG. 19

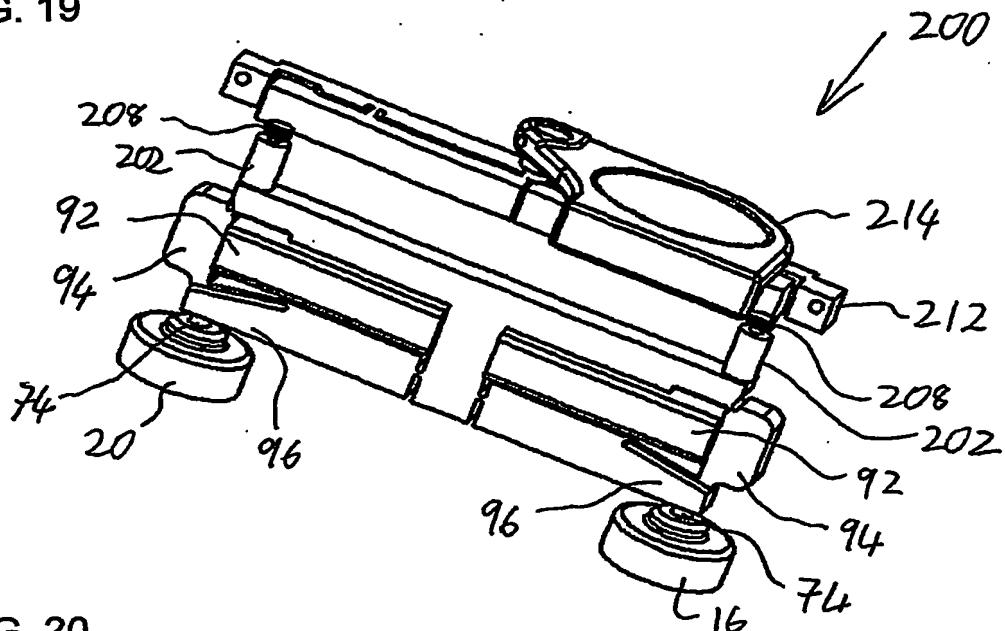


FIG. 20

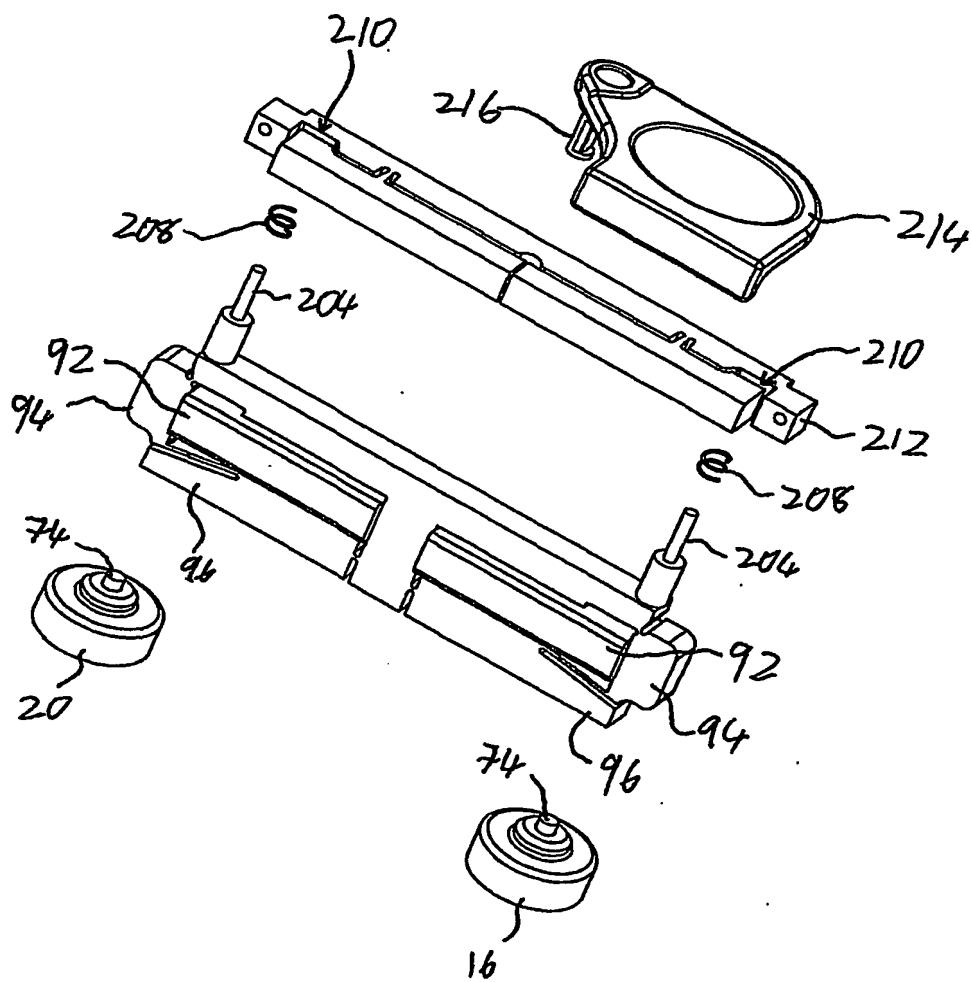


FIG. 21

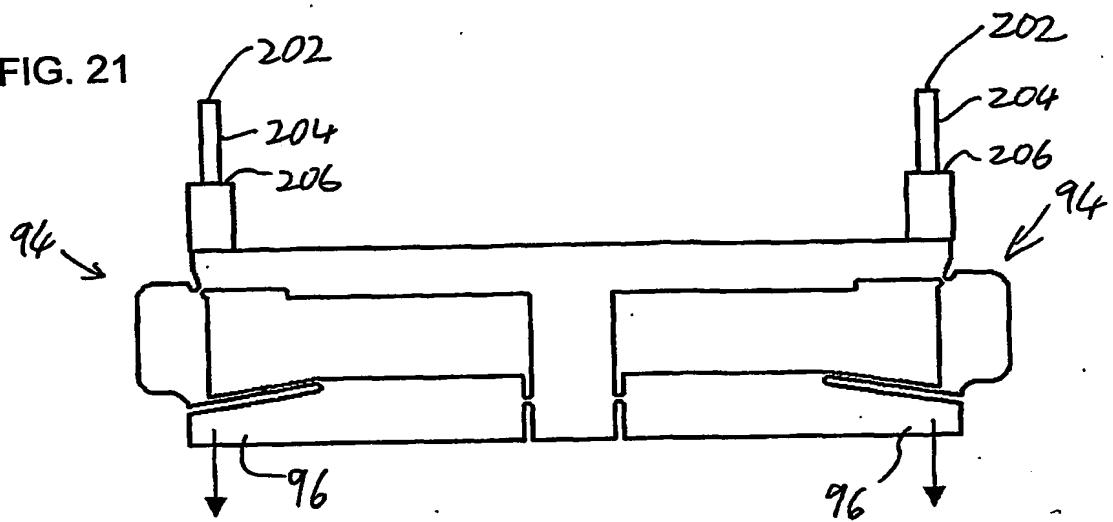


FIG. 22A

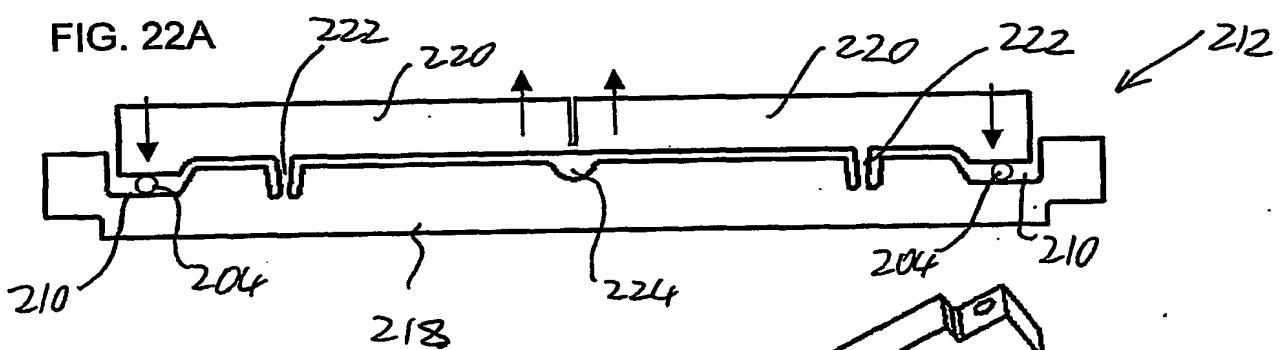


FIG. 22B

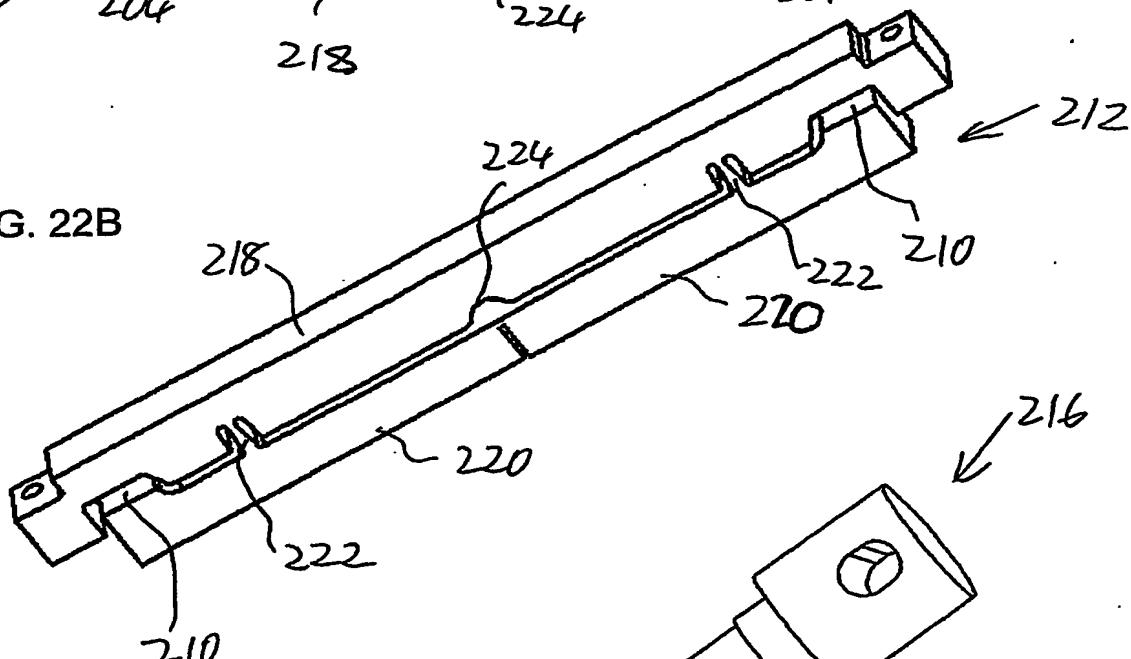


FIG. 23

